

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050195

Luminaire Tested: PTR-14-80-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PC3-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

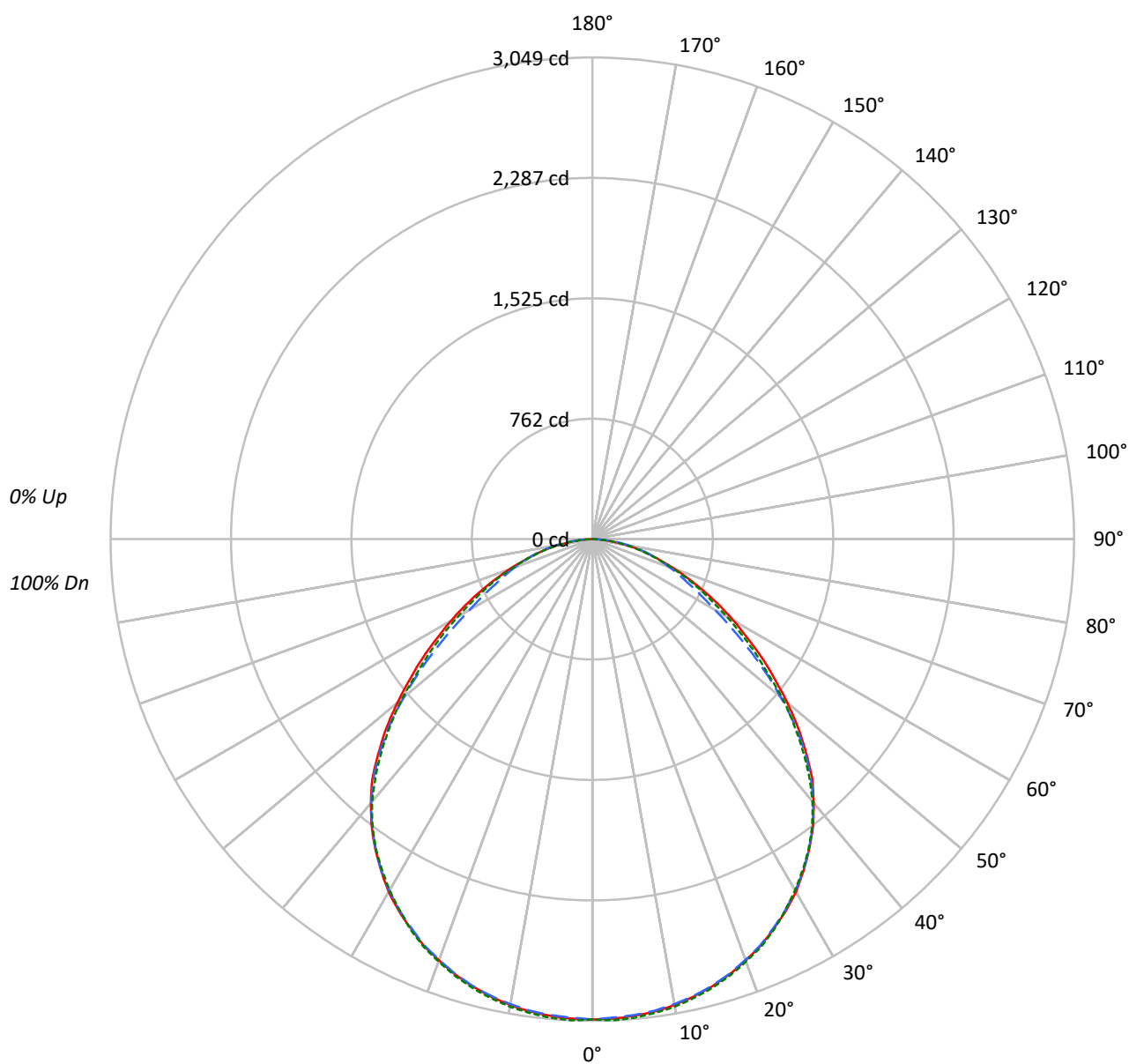
Lumens per Lamp: N/A
Luminaire Lumens: 7664.6 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8181	8181	8181
5°	8183	8169	8215
10°	8183	8168	8212
15°	8164	8155	8191
20°	8127	8114	8149
25°	8072	8059	8091
30°	8011	7984	7971
35°	7866	7859	7844
40°	7658	7647	7612
45°	7283	7229	7155
50°	6742	6515	6588
55°	6152	5653	5907
60°	5548	4822	5290
65°	4958	4315	4757
70°	4398	4081	4277
75°	3890	3956	3812
80°	3355	3778	3336
85°	2513	2989	2513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.4	3.8
10°-20°	827.7	10.8
20°-30°	1253.1	16.3
30°-40°	1494.0	19.5
40°-50°	1459.8	19.0
50°-60°	1116.2	14.6
60°-70°	716.7	9.4
70°-80°	398.7	5.2
80°-90°	110.1	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2369.1	30.9
0°-40°	3863.1	50.4
0°-60°	6439.1	84.0
0°-90°	7664.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7664.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3040	3040	3040	3040	3040	
5°	3030	3032	3024	3038	3041	288
15°	2930	2933	2927	2937	2940	827
25°	2719	2722	2714	2723	2725	1254
35°	2395	2397	2392	2391	2388	1496
45°	1914	1918	1900	1895	1880	1473
55°	1311	1266	1205	1220	1259	1172
65°	779	719	678	700	747	777
75°	374	377	380	375	367	400
85°	81	96	97	94	81	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3040.2	3040.2	3040.2	3040.2	3040.2
2.5°	3038.2	3039.4	3031.5	3044.5	3048.9
5°	3029.5	3031.5	3024.0	3038.2	3041.3
7.5°	3016.5	3018.4	3010.9	3025.2	3026.3
10°	2994.7	2995.9	2989.2	3003.4	3005.4
12.5°	2965.5	2968.7	2961.1	2974.2	2975.0
15°	2930.3	2932.7	2927.2	2937.0	2940.2
17.5°	2889.2	2890.4	2884.9	2895.6	2896.7
20°	2837.9	2837.9	2833.5	2845.8	2845.8
22.5°	2785.7	2782.6	2781.4	2785.7	2792.4
25°	2718.6	2721.7	2714.2	2722.9	2724.9
27.5°	2653.4	2653.4	2646.7	2651.0	2645.5
30°	2578.3	2574.0	2569.6	2570.4	2565.3
32.5°	2487.8	2487.8	2485.9	2485.9	2479.1
35°	2394.6	2396.6	2392.2	2391.0	2387.9
37.5°	2294.2	2297.8	2289.9	2287.9	2285.6
40°	2180.1	2180.1	2176.9	2172.6	2167.0
42.5°	2061.5	2061.5	2047.7	2036.7	2029.1
45°	1913.8	1918.1	1899.6	1895.2	1880.2
47.5°	1766.8	1763.7	1738.8	1735.6	1726.9
50°	1610.4	1591.8	1556.2	1565.7	1573.6
52.5°	1453.9	1431.0	1378.8	1389.5	1402.5
55°	1311.3	1265.8	1205.0	1220.0	1259.1
57.5°	1162.3	1101.5	1040.6	1069.1	1117.7
60°	1030.8	962.4	896.0	926.5	983.0
62.5°	904.7	832.0	778.7	807.9	855.7
65°	778.7	718.7	677.6	700.1	747.1
67.5°	663.3	623.0	595.0	605.7	643.6
70°	559.0	533.8	518.7	521.9	543.6
72.5°	459.9	453.6	448.0	448.0	450.0
75°	374.1	377.3	380.5	375.3	366.6
77.5°	294.7	305.4	313.3	302.2	291.6
80°	216.5	233.9	243.8	231.5	215.3
82.5°	147.8	167.5	170.7	163.2	144.6
85°	81.4	95.6	96.8	93.6	81.4
87.5°	30.4	36.0	39.1	36.0	31.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)